04/64/2007

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT	Application Number		10747900
	Filing Date		2003-12-29
	First Named Inventor John 7		n T. Santini Jr., et al.
(Not for submission under 37 CFR 1.99)	Art Unit		3763
(Not for submission under or of K 1.33)	Examiner Name M.A.		Mendez
	Attorney Docket Numb	er	17509-0082

					U.S.I	PATENTS			Remove		
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue E)ate	of cited Document			es,Columns,Lines where evant Passages or Releva ures Appear		
X	1	6349232	B1	2002-02	2-19	Gordon					
If you wis	If you wish to add additional U.S. Patent citation information please click the Add button.										
			U.S.P	ATENT	APPLIC	CATION PUBI	LICATIONS		Remove		
Examiner Initial*	Cite No	Publication Number	Kind Code ¹							Lines where	
If you wish to add additional U.S. Published Application citation information please click the Add button. Add											
				FOREIG	SN PAT	ENT DOCUM	ENTS		Remove		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²		Kind Code ⁴	Publication Date	Name of Patentee Applicant of cited Document	or v	vhere Rel	or Relevant	T5
	1										
If you wis	n to ar	dd additional Foreign Pa	tent Do		citation	information pl	pase click the Add	button	Add		
ii you wisi	ac	ad additional Foleign Fe				 .		Dation	Remove		
Examiner Initials*	Examiner Cite (book magazine journal serial symposium catalog etc.) date pages(s) volume issue number(s)										

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number		10747900		
Filing Date		2003-12-29		
First Named Inventor John		T. Santini Jr., et al.		
Art Unit		3763		
Examiner Name M.A. I		Mendez		
Attorney Docket Number		17509-0082		

1					
If you wish to add additional non-patent literature documer		outton	Add		
Examiner Signature	IINER SIGNATURE			1	
	Date Considered		23		
*EXAMINER: Initial if reference considered, whether or no citation if not in conformance and not considered. Include	t citation is in conformance with MPEP 609. copy of this form with next communication	. Draw I to applic	line th	irough a	
¹ See Kind Codes of USPTO Patent Documents at <u>www.USPTO.GOV</u> or Standard ST.3). ³ For Japanese patent documents, the indication of the ⁴ Kind of document by the appropriate symbols as indicated on the document language translation is attached.	year of the reign of the Emperor must precede the ser	ial number	r of the	e patent do	cument

01/31/2007

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

INFORMATION DISCLOSURE	Application Number		10747900
	Filing Date		2003-12-29
	First Named Inventor John T.		n T. Santini Jr., et al.
(Not for submission under 37 CFR 1.99)	Art Unit		3763
(Not for Submission under 57 57 K 1.55)	Examiner Name		
·	Attorney Docket Number	er	17509-0082

Domous Parago											
			_		U.S.I	PATENTS			Remove		
Examiner Initial*	Cite No	Patent Number	Kind Code ¹	Issue [Date	of cited Document		Releva	ges,Columns,Lines wh levant Passages or Re jures Appear		
\times	1	6247485		2001-06	6-19	Rossi, et al.					
If you wish to add additional U.S. Patent citation information please click the Add button.											
U.S.PATENT APPLICATION PUBLICATIONS Remove											
Examiner Initial*	Cite No	Publication Number	nber Kind Publication Code1 Date			of cited Document			Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		
	1										
If you wis	h to ac	dd additional U.S. Publis	shed Ap	plication	citation	n information p	olease click the Add	button	Add		
				FOREIG	GN PAT	ENT DOCUM	ENTS		Remove		
Examiner Initial*	Cite No	Foreign Document Number ³	Country Code ²		Kind Code ⁴	Publication Date	Name of Patentee or Applicant of cited Document		Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear		т5
	1			<u> </u>							
If you wist	h to ac	d additional Foreign Pa	itent Do	cument	citation	information pl	ease click the Add	button	Add		
			NON	-PATE	NT LITE	RATURE DO	CUMENTS		Remove		
Examiner Initials*	Cite No	Include name of the au (book, magazine, journ publisher, city and/or c	ial, seria	al, symp	osium, (catalog, etc), c					T 5

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Not for submission under 37 CFR 1.99)

Application Number	10747900
Filing Date	2003-12-29
First Named Inventor	John T. Santini Jr., et al.
Art Unit	3763
Examiner Name	
Attorney Docket Numb	er 17509-0082

1		
If you wish to add additional hon-patent literature document citation	on information please click the Add buttor	Add
EXAMINER S	IGNATURE	,
Examiner Signature	Date Considered 0	23 200)
*EXAMINER: Initial if reference considered, whether or not citation citation if not in conformance and not considered. Include copy of		
¹ See Kind Codes of USPTO Patent Documents at <u>www.USPTO.GOV</u> or MPEP 90 Standard ST.3). ³ For Japanese patent documents, the indication of the year of the ⁴ Kind of document by the appropriate symbols as indicated on the document unde English language translation is attached.	e reign of the Emperor must precede the serial nur	nber of the patent document.

PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

I.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

				С	omplete if Known		rol number.
ibstitute for I	orm 1449/PTO		Application Nu	ımber 10	0/747,900		
1615		ON DISCLOSUR		Filing Date 2003-12-29			
			First Named I	nventor Jo	ohn T. Santini, J	r.	
STA		T BY APPLICAN	Art Unit		763		
	(Use as man	y sheets as necessary)	Examiner Nar		ot Assigned		
Sheet	1	of	1 Attorney Dock	et Number 17	7509-0082		
0	· · · · · · · · · · · · · · · · · · ·		U. S. PATENT DO	CUMENTS			
xaminer nitials*	Cite No.1	Document Number Number-Kind Code ^{2 (if k)}	MM-DD-YYYY		Patentee or lited Document	Pages, Column Where Rele Passages or F Figures Ap	evant Relevant
\checkmark		US 5,366,454	11-22-1994	Currie et al.			
$\vec{}$	 	US 5,368,704	11-29-1994	Madou et al.			
		US 5,380,272	01-10-1995	Gross			
	 	US 5,493,177	02-20-1996	Muller, et al.			
_}-		US 5,504,026	04-02-1996	Kung			
		US 5,662,689	09-02-1997	Elsberry et al.			
+	 	US 5,949,187	09-07-1999	Xu, et al.			
	 	US 5,971,931	10-26-1999	Raff			
 	 	US 6,051,017	04-18-2000	Loeb et al.			
	 	US 6,081,736	06-27-2000	Cilvin, et al.			
	 -	US 6,129,685	10-10-2000	Howard, III			<u></u>
-		US 6,161,047	12-12-2000	King et al.			
	 	US 6,178,349	01-23-2001	Kieval			
	 	US 6,185,455	02-06-2001	Loeb et al.			L
	 	US 6,214,032	04-10-2001	Loeb et al.			Ĺ
	 	US 6,289,237	09-11-2001	Mickle et al.			L
	1	US 6,319,241	11-20-2001	King et al.			
	 	US 6,384,353	05-07-2002	Haung, et al.			
	 	US 6,436,853	08-20-2002	Lin, et al.			
		US 6,480,730	11-12-2002	Darrow, et al.			L
	1	US 6,587,719	07-01-2003	Barrett et al.			
	<u> </u>	US 6,733,485	05-11-2004	Whitehurst et	al		
		US 6,757,560	06-29-2004	Fischer et al.			
		US 6,908,770	06-21-2005	McDevitt et a	<u> </u>		
		US 6,968,743	11-29-2005	Rich et al.			
		US 7,010,345	03-07-2005	Hill et al.			
		US 2001/0053885	12-20-2001	Gielen et al.			
		US 2002/0038137	03-28-2002	Stein			
		US 2002/0055761	05-09-2002	Mann et al.			
		US 2002/0082665	06-27-2002	Haller et al.			
		US 2002/0107553	08-08-2002	Hill et al.	. <u></u>		
		US 2002/0111601	08-15-2002	Thompson			$\overline{}$
		US 2002/0143369	10-03-2002	Hill et al.			
		US 2002/0144548	10-10-2002	Cohn, et al.		_	/- -
		US 2002/0165586	11-07-2002	Hill et al.			
W		US 2003/0004549	01-02-2003	Hill et al.			
<u> </u>		US 2005/0100937	05-12-2005 FOREIGN PATENT	Holmes			
	T		FUREIGN PATENT	DOCUMENTS		TRANSL	ATION
	DOCUI	l DAIL	COUNTRY	NAM	13	Yes No	
	<u> </u>	OTHER REFE	RENCES (Including Author	r, Title, Date, Pertin	ent Pages, Etc.)		
		// /			-		
		(/ ^/ = = = = = = = = = = = = = = = = = 	T.	ATE CONSIDER	en /)	
XAMINE	`\ <i>\\\\\\\</i>	XII	ν.	WIE COMPIDER	^{હા} 08 / 23 /	1 or	
	10CV	ference considered, wheth	1		00/20		

TIIT 0,8 500% TA

PTO/SB/08A (08-03) Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

stitute food	5m 1449/PTO				Complete if Known					
DEP				Application Number	10/747,900					
INFC	DRMATION [DISCLC	SURF	Filing Date	December 29, 2003					
				First Named Inventor	John T. Santini, Jr., et al.					
	TEMENT BY			Art Unit	3763					
	(Use as many sheets	s as necessa	ary)	Examiner Name						
Sheet	1	of	4	Attorney Docket Number	17509-0082					

			U.	S. PATE	NT DOCU	MENTS		
Examiner Initials	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publicati MM-DD		Ap	Name of Patentee or plicant of Cited Document	Pages, Columns, Lines, W Relevant Passages or Rel Figures Appear	
7		3,692,027	09-19-19	972	Ellinwo	od, Jr.	1	
)		3,952,741 04-27-19			Baker			
		4,003,379	01-18-19	977	Ellinwo	od, Jr.		
		4,360,019	11-23-19	982	Portne	r, et al.		
		4,507,115	03-26-19	985	Kamba	ra, et al.		
1		4,731,049	03-15-19	988	Parsi			
		4,793,825	12-27-19	988	Benjan	nin, et al.		
		5,042,975	08-27-19	991	Chien,	et al.		
		5,167,625	12-01-19	992	Jacobs	en, et al.		
		5,170,801	12-15-19					
		5,196,002	03-23-19	993	Hanover, et al. Cozzette, et al. Kroy, et al.			
		5,200,051	04-06-19	993				
		5,252,294	10-12-19	993				$\overline{}$
		5,279,607	01-18-19	94	Schent	ag, et al.		+
		5,318,557	06-07-19	94	Gross			$\overline{}$
h		5,336,213	08-09-19	94	D'Ange	elo, et al.		-+
		5,366,454	11-22-19	94	Currie,	et al.		
X		5,368,588	11-29-19	994	Betting	er		
			FORE	IGN PAT	ENT DO	CUMENTS		
xaminer	Cite	Patent Document Numb	er	Public	cation	Name of Patentee or	Pages, Columns, Lines,	1
Initials*	No.1	No. ¹ Country Code ³⁻ Number ⁴⁻ Kind Code ^{2 (if known)}			ate D-YYYY	Applicant of Cited Document	Where Relevant Passages Or Relevant Figures Appear	T ⁶
\propto		WO 02/056862 A1		07-25-2	2002	Fraunhofer	3	11
4		DE 197 16 683 C1		06-04-1	1998	Fraunhofer (Roth et al.)		1
							1	

NON PATENT LITERATURE DOCUMENTS

\mathcal{I}	Include name of the author (in CAPITAL LETTERS), title of the articles (when appropriate catalog etc.) date, page(s), volume-issue number(s), public	priate), title of the item (boo sher, city and/or country wh	k, magaz ere publi	ine, jo shed.	umal, serial, symposiu	m,
7	BAE, et al., "Pulsatile Drug Release by Electric Stimulus," ACS Symp. Series Pol.	ymeric Drugs & Drug Adn	nin., pp. 9	9-110	(1994).	
\int	HAROUN, et al., "Local Drug Delivery," Curr. Opin. Oncol. 12(3): 187-93 (2000) (abstract).				
	KINGERY, et al., Introduction to Ceramics, 2 rd Ed., pp. 964-72 (J. Wiley & Son 19	976).				
Z	KWON, et al., "Electrically Erodible Polymer Get For Controlled Release of Drugs	," Nature 354: 291-93 (19	91).	-		
4	LIU, et al., "Applications of Microfabrication and Micromachining Techniques to B	iotechnology," Tibtech 15	213-16	(1997).	
4	LOW, et al., "Microactuators Towards Migrovalves for Responsive Controlled Dru	g Delivery," Sensors & Ad	ctuators i	3 67: 1	149-60 (2000).	
	*EXAMINER: Initial if references considered whether or not citation is in conformance	Date Considered	08	23	2007	

*EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ¹Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ¹For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁵Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of the you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0551-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	Q11001 0	or apartors nec	decion Act of 1993, No .	reisons are required to respond to a con	tection of information unless it contains a valid OMB control number.				
Substitute for for	rm 1449/PTO			Complete if Known					
				Application Number 10/747,900					
INFO	RMATION	DISCLO	SURE	Filing Date	December 29, 2003				
	TEMENT B			First Named Inventor	John T. Santini, Jr., et al.				
				Art Unit	3763				
	(Use as many she	ets as necess:	ary)	Examiner Name					
Sheet	2	of	4	Attorney Docket Number	17509-0082				
									

No. Number-Kind Code ^{2 (ft known)} MM-DD-YYYY Applicant of Cited Document Relevant Pass Figure			JMENTS	ENT DOCU	U. S. PATI	U		\sim	
5,368,704	ges or Relevant	Pages, Columns, Lines Relevant Passages or Figures Appea		Ар		Number-Kind Code ^{2 (# known)} MM-D	No.¹		
5,429,822 07-04-1995 Gresser, et al. 5,443,508 08-22-1995 Giampapa 5,474,527 12-12-1995 Bettinger 5,490,962 02-13-1996 Cima, et al. 5,651,900 07-29-1997 Keller, et al. 5,660,680 08-26-1997 Keller 5,770,076 06-23-1998 Chu, et al. 5,797,898 08-25-1998 Santini, Jr., et al. 5,798,042 08-25-1998 Chu, et al. 5,842,787 12-01-1998 Kopf-Sill, et al. 5,893,974 04-13-1999 Keller, et al. FOREIGN PATENT DOCUMENTS Examiner Initials* No.1 Patent Document Number Publication Date MM-DD-YYYY Passages Or Reference MM-DD-YYYY Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Or Reference Passages Passages Or Reference Passages P	фрост	- Source Above	u, et al.	Madou	9-1994	5,368,704 11-29-		X	_
5,443,508 08-22-1995 Giampapa			ger	Betting	7-1995	5,427,585 06-27-	!	$T \perp$	
5,474,527 12-12-1995 Bettinger			er, et al.	Gresse	4-1995	5,429,822 07-04-			
5,490,962 02-13-1996 Cima, et al. 5,651,900 07-29-1997 Keller, et al. 5,660,680 08-26-1997 Keller 5,770,076 06-23-1998 Chu, et al. 5,797,898 08-25-1998 Santini, Jr., et al. 5,798,042 08-25-1998 Chu, et al. 5,842,787 12-01-1998 Kopf-Sill, et al. 5,893,974 04-13-1999 Keller, et al. FOREIGN PATENT DOCUMENTS Examiner Initials* No.1 Patent Document Number Publication Date Name of Patentee or Applicant of Cited Document Where Relevan Passages Or Relev		$\overline{}$	apa	Giampa	2-1995	5,443,508 08-22-			
5,651,900 07-29-1997 Keller, et al. 5,660,680 08-26-1997 Keller 5,770,076 06-23-1998 Chu, et al. 5,797,898 08-25-1998 Santini, Jr., et al. 5,798,042 08-25-1998 Chu, et al. 5,842,787 12-01-1998 Kopf-Sill, et al. 5,893,974 04-13-1999 Keller, et al. FOREIGN PATENT DOCUMENTS Examiner Initials* No.1 Patent Document Number Publication Date MM-DD-YYYY Applicant of Cited Document Where Relevan Passages Or Relevan Passages			Bettinger Cima, et al.		2-1995	5,474,527 12-12-1			
5,660,680 08-26-1997 Keller					3-1996	5,490,962 02-13-1	5,490,962		
5,770,076 06-23-1998 Chu, et al.	$\overline{}$				9-1997	5,651,900 07-29-1	5,651,900		
5,797,898 08-25-1998 Santini, Jr., et al. 5,798,042 08-25-1998 Chu, et al. 5,842,787 12-01-1998 Kopf-Sill, et al. 5,893,974 04-13-1999 Keller, et al. FOREIGN PATENT DOCUMENTS				Keller	6-1997	5,660,680 08-26-1997			
5,798,042 08-25-1998 Chu, et al. 5,842,787 12-01-1998 Kopf-Sill, et al. 5,893,974 04-13-1999 Keller, et al. FOREIGN PATENT DOCUMENTS			t al.	Chu, et	3-1998	5,770,076 06-23-1			
5,798,042 08-25-1998 Chu, et al. 5,842,787 12-01-1998 Kopf-Sill, et al. 5,893,974 04-13-1999 Keller, et al. FOREIGN PATENT DOCUMENTS Examiner Initials* No.1 Patent Document Number Date No.1 Date MM-DD-YYYY Passages Or Reference of MM-DD-YYYY Pa	$\overline{}$		i, Jr., et al.	Santini	5-1998	5,797,898 08-25-1			
FOREIGN PATENT DOCUMENTS Examiner Initials* No.1 Patent Document Number Publication Date MM-DD-YYYY Passages Or Rocknown Passages Or R	$\overline{}$				5-1998	5,798,042 08-25-1		1)	
FOREIGN PATENT DOCUMENTS Examiner Initials* No.¹ Patent Document Number Publication Date No.¹ Country Code ³ Number ⁴ Kind Code² (if MM-DD-YYYY Passages Or Roman Passages Or	$\overline{}$		ill, et al.	Kopf-S	1-1998	5,842,787 12-01-1		II	
Examiner Cite Patent Document Number Publication Date Applicant of Cited Document Pages, Column Object			et al.	Keller,	3-1999	5,893,974 04-13-1		\star	_
Initials* No.1 Country Code 3 Number 4 Kind Code 2 (ff MM-DD-YYYY Applicant of Cited Document Known) No.1 Country Code 3 Number 4 Kind Code 2 (ff MM-DD-YYYY) Name of Patentee of Pages, Column Where Relevan Passages Or Relevant Pages, Column Where Relevant Passages Or Relevant Pages, Column Where Relev			CUMENTS	TENT DO	OREIGN PA	FOR		/	
Country Code ³ Number ⁴ Kind Code ^{2 (f)} MM-DD-YYYY Passages Or Ri	Lines,	Pages, Columns, Lines				Patent Document Number			
	evant T ⁶	Where Relevant Passages Or Relevant Figures Appear	Applicant of Cited Document		/ MM-0	Country Code 3- Number 4- Kind Code2 (if known)	Country Code 3- Nu		init
								$\overline{}$	
								\longrightarrow	

NON PATENT LITERATURE DOCUMENTS

	Include name of the author (in CAPITAL LETTERS), title of the articles (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.
XH	MADOU, et al., "From Batch to Continuous Manufacturing of Microbiomedical Devices," Chem Rev. 100: 2679-92 (2000).
$\nearrow h$	MADOU, et al., "Exploitation of a Novel Artificial Muscle for Controlled Drug Delivery," Polym. Mater. Sci. Eng. 83: 495-497 (2000).
\forall	MADOU, "Micromachining in Chemical Sensors and Instrumentation for Biomedical Applications,", Fundamentals of Microfabrication, pp. 468-514 (CRC Press 1997) (ToC).
X	SANTINI, et al., "Microchips as Controlled Drug-Delivery Devices," Angew Chem. Int. Ed. Engl. 39(14): 2396-407 (2000).
(X	SANTINI, et al., " Microchip Technology in Drug Delivery," Ann. Med. 32(6) 377-9 (2001) (abstract).
C\(\(\)	SANTINI, et al., "A Controlled-Release Microchip," Nature 397(6717): 335-38 (1999).
C	SURBLED, et al., "Shape Memory Alloys for Micromembranes Actuation," SPIE 3825: 63-70 (1999).
\Diamond	SURBLED, et al., "Array of Shape Memory Alloy One-Shot Micro-Valves for Drug Delivery", MME '99, Gif sur Yvette, France (Sep. 27-28, 1999).
×	SURBLED, et al., "Characterization of Sputtered TiNi Shape Memory Alloy Thin Films," Jpn. J. Applied Phys. 38: L1547-49 (1999).
	Examiner Signature Date Considered 08/23/2007
	*EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance

EXAMINER: Initial if reregaces considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ¹Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. ⁰Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The Information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for fo	orm 1449/PTO			Complete if Known					
				Application Number 10/747,900					
INFO	DRMATION	DISCLO	SURF	Filing Date	December 29, 2003				
				First Named Inventor	John T. Santini, Jr., et al.				
31A	TEMENT B			Art Unit	3763				
L	(Use as many shee	ts as necessa	iry)	Examiner Name					
Sheet	3	of	4	Attorney Docket Number	17509-0082				

			U.	S. PATEN	T DOCU	MENTS	· · · · · · · · · · · · · · · · · · ·			
Examine Initials*	Initials No. Number-Kind Code ^{2 (f known)}		Publicati MM-DD				Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
V		5,900,160	05-04-19	999	Whites	ides, et al.				
		5,938,923	08-17-19	999	Tu, et a	al.		\neg		
		5,948,255	09-07-19	999	Keller,	et al.		\neg		
		5,962,081	10-05-19	999	Ohmar	, et al.				
		5,985,328	11-16-19	999	Chu, e	al.				
		5,989,445	11-23-19	999	Wise,	et al.				
		6,001,090	12-14-19	999	Lenhar	t		_		
		6,114,658	09-05-20		Roth, e	t al.				
		6,123,861	09-26-20		Santini	, Jr., et al.				
		6,334,859	01-01-20		Richter					
		6,491,666	12-10-20		Santini	, Jr., et al.				
		6,527,762	03-04-20	003	Santini	, Jr., et al.				
		6,537,250	03-25-20	003	Kriesel					
h		6,537,256	03-25-20	003	Santini, Jr., et al.					
		6,551,838	04-22-20	003	Santini	, Jr., et al.				
		6,571,125	05-27-20	003	Thomp	son		$\overline{}$		
\nearrow		6,656,162	12-02-20	003	Santini	, Jr., et al.		7		
			FORE	IGN PATE	ENT DO	CUMENTS				
Examiner Initials*				Public Da MM-DD	ate Applicant of Cited Documen		Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	3		
								_		
				7			,	_		

NON PATENT LITERATURE DOCUMENTS

Include name of the author (in CAPITAL LETTERS), title of the articles (when appropriately catalog etc.) date, page(s), volume-issue number(s), published.	priate), title of the item (book, magazine, journal, serial, symposium, sher, city and/or country where published.
TAO, et al., "Microfabricated Drug Delivery Systems: from Particles to Pores," Ad	v. Drug Deliv. Res. 55(3): 315-28 (2003).
TIERNEY, et al., "Electroreleasing Composite Membranes for Delivery of Insulin a 2005-06 (1990).	and Other Biomacromolecules," J. Electrochem Soc. 137(6):
TIERNEY, et al., "New Electrorelease Systems Based on Microporous Membrane	es," J. Electrochem Soc. 137(12): 3789-93 (1990).
UHRICH, et al., "Synthesis and Characterization of Degradable Poly(anhydride-co	o-imides), " <i>Macromolecules</i> 28: 2184-93 (1995).
VLADIMIRSKY, et al., "Thin Metal Film Thermal Micro-Sensors," Proc. SPIE 2640	0: 184-92 (1995).
WOGERSIEN, et al, "Fabrication of Thin Film Resistors and Silicon Microstructur Design, Test, and Microfabrication of MEMS and MOEMS, 2: 1105 (Paris, March	res using a Frequency-Doubled Nd:YAG laser". Proc. SPIE - 1999).
Examiner Signature	Date Considered 08/2-3/2007
*EXAMINER: Initial if references considered whether or not citation is in conformance	with MPEP 609 Draw line through citation if not in conformance

EXAMINER: Initial in references considered. Ynether or not citation is in conformance with MPEP 609. Draw line unough citation in not in comormance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gog or MPEP 901.04. ¹Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁰Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is destinated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

	Under thr	e Paperwork Red	uction Act of 1995, n	o persons are required to respond to a col	llection of information unless it contains a valid OMB control numb	ber.	
Substitute for form	n 1449/PTO				Complete if Known		
ı				Application Number	10/747,900		
INFO	RMATION	DISCLO	SURE	Filing Date	December 29, 2003		
				First Named Inventor	John T. Santini, Jr., et al.		
	EMENT B			Art Unit	3763		
(Use as many sheets as necessary)				Examiner Name			
Sheet	4	of	4	Attorney Docket Number	17509-0082		

			U. S. P.	ATENT DOCU	MENTS	
Examiner Initials	Cite No.1	Document Number Number-Kind Code ^{2 (If known)}	Publication Di MM-DD-YYY		Name of Patentee or plicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
$\overline{\mathcal{A}}$	-	6,663,615	12-16-2003	Madou	, et al.	
7		6,669,683	12-30-2003	Santin	, Jr., et al.	
		6,730,072	05-04-2004	Shawg	o, et al.	
		2002/0022826	02-21-2002	Reyno	lds, et al.	
		2002/0072734	06-13-2002	Liedtke)	
		2002/0072784	06-13-2002	Shepp	ard Jr., et al.	
		2002/0099359	07-25-2002	Santin	, Jr., et al.	
		2002/0107470	08-08-2002	Richar	ds, et al.	
		2002/0111658	08-15-2002			
		2002/0138067	09-26-2002			
	2002/0183721		12/05/2002	002 Santini, Jr., et al.		\
		2002/0187260	2002/0187260 12-12-2002		ard Jr., et al.	
		2003/0010808	01-16-2003	Uhland	l, et al.	
		2003/0036794	02-20-2003	Raghe	b, et al.	
		2003/0069560	04-10-2003	Adami	s, et al.	
		2003/0104590	06-05-2003	Santin	, Jr., et al.	
		2003/0105455	06-05-2003	Santini	, Jr., et al.	
		2004/0106953	06-03-2004	04 Yomtov, et al.		1
$\overline{\lambda}$		2004/0106914	06-03-2004	Coppe	la, et al.	
		2004/0082937	04-29-2004	Ausiell	o, et al.	
7		2004/0043042	03-04-2004	Johnso	n, et al.	
			FOREIGN	PATENT DO	CUMENTS	
Examiner	Cite	Patent Document Numb	ber F	Publication	Name of Patentee or	Pages, Columns, Lines.
Initials* No.		Country Code 3- Number 4- Kind		Date M-DD-YYYY	Applicant of Cited Docume	
$\overline{}$	_					
$\overline{}$						

					MONTALEM EN	FIGURE DOCUME	.413				
Include nam	e of the	author (ii cata	n CAPIT alog etc.	AL LET) date,	ERS), title of the articles (vage(s), volume-issue numb	when appropriate), tit per(s), publisher, city	le of the item (boo and/or country w	ok, magazi here publis	ne, joui hed.	mal, serial, sympo	osium,
		(1							
Examiner Signature	B	101	X	<u> </u>	2		Date Considered	08	23	260)	

*EXAMINER: Initial if references considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). *See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WiPO Standard ST.3). *For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. *Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.